

LABORATORY REPORT

Prepared For: Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
Attention: Diana Marquez

Project: [none]

Sampled: 11/27/12
Received: 11/28/12
Issued: 12/11/12 12:56

NELAP #01109CA / AZ100001 California ELAP#2446 Arizona DHS#AZ0728 Nevada #AZ01030 ORELAP #AZ100001

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PVK1683-01
PVK1683-02

CLIENT ID

DP129W01/22-26
DP129W03/48-52

MATRIX

Water
Water

SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Linda Eshelman
Project Manager

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
Attention: Diana Marquez

Project ID: [none]

Report Number: PVK1683

Sampled: 11/27/12

Received: 11/28/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---------|--------|-------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
|---------|--------|-------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|

Sample ID: PVK1683-01 (DP129W01/22-26 - Water)

Reporting Units: ug/l

| | | | | | | | | | |
|--------------------------------------|-----------|---------|------|-----|------|------|----------|----------|----|
| 1,4-Dioxane | EPA 8270C | 12K1137 | 0.56 | 1.1 | ND | 1.11 | 11/30/12 | 12/04/12 | E8 |
| Surrogate: 1,4-Dioxane-d8 (14-125%) | | | | | 39 % | | | | |
| Surrogate: Nitrobenzene-d5 (27-143%) | | | | | 91 % | | | | |

Sample ID: PVK1683-02 (DP129W03/48-52 - Water)

Reporting Units: ug/l

| | | | | | | | | | |
|--------------------------------------|-----------|---------|------|-----|------|---|----------|----------|----|
| 1,4-Dioxane | EPA 8270C | 12K1137 | 0.51 | 1.0 | ND | 1 | 11/30/12 | 12/05/12 | E8 |
| Surrogate: 1,4-Dioxane-d8 (14-125%) | | | | | 38 % | | | | |
| Surrogate: Nitrobenzene-d5 (27-143%) | | | | | 91 % | | | | |

TestAmerica Phoenix

Linda Eshelman
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PVK1683 <Page 2 of 4>

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
Attention: Diana Marquez

Project ID: [none]

Report Number: PVK1683

Sampled: 11/27/12

Received: 11/28/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 12K1137 Extracted: 11/30/12 | | | | | | | | | | | |
| Blank Analyzed: 12/04/2012 (12K1137-BLK1) | | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | 0.51 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 7.67 | | | ug/l | 20.0 | | 38 | 14-125 | | | |
| Surrogate: Nitrobenzene-d5 | 18.0 | | | ug/l | 20.0 | | 90 | 27-143 | | | |
| LCS Analyzed: 12/04/2012 (12K1137-BS1) | | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | 0.51 | ug/l | 20.0 | | 102 | 85-116 | | | |
| Surrogate: 1,4-Dioxane-d8 | 7.37 | | | ug/l | 20.0 | | 37 | 23-132 | | | |
| Surrogate: Nitrobenzene-d5 | 17.1 | | | ug/l | 20.0 | | 86 | 28-150 | | | |
| LCS Dup Analyzed: 12/04/2012 (12K1137-BSD1) | | | | | | | | | | | |
| 1,4-Dioxane | 20.9 | 1.0 | 0.51 | ug/l | 20.0 | | 104 | 85-116 | 3 | 20 | |
| Surrogate: 1,4-Dioxane-d8 | 7.11 | | | ug/l | 20.0 | | 36 | 23-132 | | | |
| Surrogate: Nitrobenzene-d5 | 17.7 | | | ug/l | 20.0 | | 88 | 28-150 | | | |
| Matrix Spike Analyzed: 12/04/2012 (12K1137-MS1) | | | | | | | | | | | |
| | | | | | | Source: PVK1683-01 | | | | | |
| 1,4-Dioxane | 23.3 | 1.1 | 0.56 | ug/l | 22.2 | ND | 105 | 65-138 | | | |
| Surrogate: 1,4-Dioxane-d8 | 9.01 | | | ug/l | 22.2 | | 41 | 14-125 | | | |
| Surrogate: Nitrobenzene-d5 | 20.9 | | | ug/l | 22.2 | | 94 | 27-143 | | | |
| Matrix Spike Dup Analyzed: 12/04/2012 (12K1137-MSD1) | | | | | | | | | | | |
| | | | | | | Source: PVK1683-01 | | | | | |
| 1,4-Dioxane | 24.7 | 1.1 | 0.57 | ug/l | 22.5 | ND | 110 | 65-138 | 6 | 20 | |
| Surrogate: 1,4-Dioxane-d8 | 7.57 | | | ug/l | 22.5 | | 34 | 14-125 | | | |
| Surrogate: Nitrobenzene-d5 | 18.0 | | | ug/l | 22.5 | | 80 | 27-143 | | | |

TestAmerica Phoenix

Linda Eshelman
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PVK1683 <Page 3 of 4>

Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114
Attention: Diana Marquez

Project ID: [none]

Report Number: PVK1683

Sampled: 11/27/12

Received: 11/28/12

DATA QUALIFIERS AND DEFINITIONS

E8 Analyte reported to the MDL per project specification. Target analyte was not detected in the sample.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

TestAmerica Phoenix

Linda Eshelman
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced,
except in full, without written permission from TestAmerica.*

PVK1683 <Page 4 of 4>

